

**BANGALORE ELECTRICITY SUPPLY COMPANY  
LIMITED**



**SECTION- IX**

**VOLUME-II**

**Bill of Quantities (BOQ)**

| <b>PART-I SUPPLY PORTION</b> |                                                                                                                                                     |             |                  |                                 |
|------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------|-------------|------------------|---------------------------------|
| <b>SL No</b>                 | <b>Particulars</b>                                                                                                                                  | <b>Unit</b> | <b>Total Qty</b> | <b>Material code</b>            |
| <b>1</b>                     | Supply & Erection of PSCC pole 9 mtr long 200kg W/L (for intermediate only)                                                                         | No          | <b>69</b>        | 200006                          |
| <b>2</b>                     | Supply & Erection of 11 kV, Horizontal Cross Arm with clamps, HTST supports, bolts, nuts and washers for PSCC Pole - 9 Mtr Long, 200 Kg WL-GI       | set         | <b>91</b>        | CDS materials for General works |
| <b>3</b>                     | Supply & Providing of 45KN Composite polymer insulators.                                                                                            | No          | <b>93</b>        | 283320                          |
| <b>4</b>                     | Supply & Providing of 11kV Composite Polymer pins insulators.( 24mm dia FRP rod)                                                                    | No          | <b>195</b>       | 283008                          |
| <b>5</b>                     | Supply & Providing of Guy Set Complete with No. 15 Strain Insulator & Concreting materials-GI                                                       | set         | <b>40</b>        | CDS materials for General works |
| <b>6</b>                     | Supply & stringing of ACSR Rabbit conductor with 1.5% sag as per BESCO Specification                                                                | Km          | <b>19.75</b>     | 284108                          |
| <b>7</b>                     | Supply & Providing of Spiral Earth Electrode                                                                                                        | No          | <b>112</b>       | 281683                          |
| <b>8</b>                     | Supply & providing of 11kV class 200 AMPS Single Break GOS                                                                                          | Set         | <b>5</b>         | 304212                          |
| <b>9</b>                     | Supply & providing of 11kV Spl 3pin X-arms, pole clamps, bolts for PSCC pole- GI                                                                    | No          | <b>4</b>         | 280013                          |
| <b>10</b>                    | Supply & providing of caution/Danger board as per drawing no.BESCO/GM/CP/40/24.10.17                                                                | No          | <b>5</b>         | 613050                          |
| <b>11</b>                    | Supply & Fixing of Anticlimbing Device GI Barbed Wire (12 mtrs/1kg)Lumpsum                                                                          | Kg          | <b>32</b>        | 278911                          |
| <b>12</b>                    | Supply & Erection of Double Pole Mounted Transformer kit for 63 kVA with 2 Nos of 9 mtr long PSCC Pole, 300KG W/L- GI                               | Set         | <b>5</b>         | CDS materials for General works |
| <b>13</b>                    | Supply & Erection of 11kV/433V, 63 kVA,3phase 50cys Distribution Transformer BEE-4star rated                                                        | No          | <b>5</b>         | 321438                          |
| <b>14</b>                    | Supply & providing of Earthing materials pipe type for grounding as per Drawing No BESCO/GM/CP/15&34 dt:24.10.17(Single Electrode with accessories) | No          | <b>15</b>        | 281674+600095+607054, CDS 60    |
| <b>15</b>                    | Supply & providing of GI wire 8SWG                                                                                                                  | kg          | <b>25</b>        | 281008                          |
| <b>16</b>                    | Supply & providing of Guy wire 7/10SWG                                                                                                              | kg          | <b>50</b>        | 281110                          |
| <b>17</b>                    | Supply & providing of 11kV lightning arrestors, polyimer Type,9kV 5 kA (Set=3No)                                                                    | Set         | <b>5</b>         | 303202, CDS 60                  |
| <b>18</b>                    | Supply & providing of LT Protection kit                                                                                                             | No          | <b>5</b>         | 301107                          |
| <b>19</b>                    | Supply & providing of LT wiring (from 63 KVA DTC to LT line)                                                                                        |             |                  |                                 |
|                              | i) Al Lead Wire - 95 Sqmm                                                                                                                           | Mtr         | <b>125</b>       | 289031                          |
|                              | ii) Heavy Duty Long Barrel Copper Lug - 95                                                                                                          | No          | <b>20</b>        | 288531                          |

|           |                                                                                                  |      |            |                                         |
|-----------|--------------------------------------------------------------------------------------------------|------|------------|-----------------------------------------|
|           | Sqmm                                                                                             |      |            |                                         |
|           | iii) PG Clamp - Rabbit to 95 Sqmm                                                                | No   | <b>20</b>  | 285508, CDS 60                          |
|           | iv) Spacer for DTC Wiring                                                                        | No   | <b>20</b>  | 284503                                  |
|           | v) Fish Plate with necessary Clamps, bolts & nuts etc complete (Galvanised)                      | No   | <b>16</b>  | 280800+280511, CDS 60                   |
| <b>20</b> | vi) LT Metering box with CTs and necessary wiring for housing ETV Meter (Please see CDS - 39)    | No   | <b>3</b>   | CDS 39                                  |
| <b>21</b> | Supply & providing of H.G.Fuse unit,11kV solid core Type(Set=3no)                                | Set  | <b>5</b>   | 302122                                  |
| <b>22</b> | supply & providing Transparent Alkathine tube 19mm dia, 2mm thick in coils of 30 mtrs            | Coil | <b>5</b>   | 821900                                  |
| <b>23</b> | PSCC Pole - 8 Mtr Long, 200 Kg WL (for Intermediate Pole)                                        | No   | <b>43</b>  | 200004                                  |
| <b>24</b> | LT 4 Pin Cross Arm with clamps, bolts, nuts and washers for PSCC Pole - 8 Mtr Long, 200 Kg WL-GI | Set  | <b>58</b>  | 280014, CDS materials for General works |
| <b>25</b> | 1.1 kV Pin Insulator with GI Pin                                                                 | No   | <b>128</b> | 283053, CDS 5                           |
| <b>26</b> | No. 8 Strain Insulator                                                                           | No   | <b>96</b>  | 283158                                  |
| <b>27</b> | Supply & Providing of Guy Set Complete with No 8. Strain Insulator & Concreting materials-GI     | Set  | <b>19</b>  | CDS materials for General works         |

## **PART-II ERECTION PORTION**

| <b>SL No</b> | <b>Particulars</b>                                                                                                                            | <b>Unit</b> | <b>Total Qty</b> |
|--------------|-----------------------------------------------------------------------------------------------------------------------------------------------|-------------|------------------|
| <b>1</b>     | Supply & Erection of PSCC pole 9 mtr long 200kg W/L (for intermediate only)                                                                   | No          | <b>69</b>        |
| <b>2</b>     | Supply & Erection of 11 kV, Horizontal Cross Arm with clamps, HTST supports, bolts, nuts and washers for PSCC Pole - 9 Mtr Long, 200 Kg WL-GI | set         | <b>91</b>        |
| <b>3</b>     | Supply & Providing of Guy Set Complete with No. 15 Strain Insulator & Concreting materials-GI                                                 | set         | <b>40</b>        |
| <b>4</b>     | Supply & stringing of ACSR Rabbit conductor with 1.5% sag as per BESCO Specification                                                          | Km          | <b>19.75</b>     |
| <b>5</b>     | Supply & Providing of Spiral Earth Electrode                                                                                                  | No          | <b>112</b>       |
| <b>6</b>     | Supply & providing of 11kV class 200 AMPS Single Break GOS                                                                                    | Set         | <b>5</b>         |
| <b>7</b>     | Supply & providing of H - Frame Set for 11kV, 200Amps Single Break GOS Mounting - GI                                                          | Set         | <b>0</b>         |
| <b>8</b>     | Supply & providing of 11kV Spl 3pin X-arms, pole clamps, bolts for PSCC pole- GI                                                              | No          | <b>4</b>         |
| <b>9</b>     | Supply & providing of caution/Danger board as per drawing no.BESCO/GM/CP/40/24.10.17                                                          | No          | <b>5</b>         |

|           |                                                                                                                                                               |     |            |
|-----------|---------------------------------------------------------------------------------------------------------------------------------------------------------------|-----|------------|
| <b>10</b> | Supply & Fixing of Anticlimbing Device<br>GI Barbed Wire (12 mtrs/1kg)Lumpsum                                                                                 | Kg  | <b>32</b>  |
| <b>11</b> | Supply & Erection of Double Pole Mounted<br>Transformer kit for 63 kVA with 2 Nos of 9 mtr<br>long PSCC Pole, 300KG W/L- GI                                   | Set | <b>5</b>   |
| <b>12</b> | Supply & Erection of 11kV/433V, 63<br>kVA,3phase 50cys Distribution Transformer<br>BEE-4star rated                                                            | No  | <b>5</b>   |
| <b>13</b> | Supply & providing of Earthing materials pipe<br>type for grounding as per Drawing No<br>BESCOM/GM/CP/15&34 dt:24.10.17(Single<br>Electrode with accessories) | No  | <b>15</b>  |
| <b>14</b> | Supply & providing of 11kV lightning<br>arrestors, polyim Type,9kV 5 kA (Set=3No)                                                                             | Set | <b>5</b>   |
| <b>15</b> | Supply & providing of LT Protection kit                                                                                                                       | No  | <b>5</b>   |
| <b>16</b> | Supply & providing of LT wiring (from 63 KVA<br>DTC to LT line)                                                                                               |     | <b>0</b>   |
|           | i) Al Lead Wire - 95 Sqmm                                                                                                                                     | Mtr | <b>125</b> |
|           | ii) Heavy Duty Long Barrel Copper Lug - 95<br>Sqmm                                                                                                            | No  | <b>20</b>  |
|           | iii) PG Clamp - Rabbit to 95 Sqmm                                                                                                                             | No  | <b>20</b>  |
|           | iv) Spacer for DTC Wiring                                                                                                                                     | No  | <b>20</b>  |
|           | v) Fish Plate with necessary Clamps, bolts &<br>nuts etc complete (Galvanised)                                                                                | No  | <b>16</b>  |
| <b>17</b> | vi) LT Metering box with CTs and necessary<br>wiring for housing ETV Meter (Please see CDS -<br>39)                                                           | No  | <b>3</b>   |
| <b>18</b> | Supply & providing of H.G.Fuse unit,11kV solid<br>core Type(Set=3no)                                                                                          | Set | <b>5</b>   |
| <b>19</b> | PSCC Pole - 8 Mtr Long, 200 Kg WL (for<br>Intermediate Pole)                                                                                                  | No  | <b>43</b>  |
| <b>20</b> | LT 4 Pin Cross Arm with clamps, bolts, nuts and<br>washers for PSCC Pole - 8 Mtr Long, 200 Kg<br>WL-GI                                                        | Set | <b>58</b>  |
| <b>21</b> | Supply & Providing of Guy Set Complete with<br>No 8. Strain Insulator & Concreting materials-GI                                                               | Set | <b>19</b>  |
| <b>22</b> | Guy concreting with Boulders, Mud and Sand                                                                                                                    | No  | <b>19</b>  |

